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Differtation on Collinsonia Canadengis,

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The subject which I have chasen for my Inaugural Difertation, is the Collingania lanadengis, generally known in this vicinity, by the name of Horge weed, because horges cat the young shoots which come up in the oping before other begetation is advanced, It is not unfregliently called by the names of Hnot weed, & Hnot root, an account of the peculiar structure of the root. It was well known to linne - wus who gave it the Generic name it still retains, in honour of Peter Collingon, FRS, a very active promoter of Botanical studies; by whom it was indicated as the find species into the English Gardens. It grows spontaneously in many & perhaps in all parts of the United States; of this fact however, I have not had an opportunity of making the necessary inquiry. But I satisfied myself, that it is a native of Pennsylvania. It is found growing in solitary places; in low & marshy grounds; in woody gwamps, and along the fence rows of the adjacent fields, It can readily be distinguished from almost any other vegetable in ity vicinity, by its leaves, which are broad & lang, termi - nating in a blunt extremity, always situated on the top of the stalk, having no radical leaves, as well as by the stalk itself, which groups from two to give feet in height, and never more than one in a place.

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The root is tuberoug; its surface interspersed with numerous knots, from whence its name, gomewhat regens -bling those found on the beanches of the Baktory requiring very considerable force to break them agunder, & when broken, the fibres are irregular, running in every direct ion. He shape is long & irregularly round, having the otem shooting out obliquely from one extremity while to the other are attached its fibroug roots. It is most genually found on as near the surface of the ground. The attention of Botanists has been particularly directed towards the flawer of our present opening of Collingania, in congequence of the Pigtilliam affording a curious ta very illustrative example of the amaterial sensibility of plants, It is observed that about the time the Poller is in its most perfect state, & about to yeaps from the anthers, the oligma of the Pigtillum is sun to move around Iremain in contact with one of the anther for some time; then to long ahe its first love Godicit, by its movements, a similar connection with the other stamers, Dr. Darroin dreper this well known fact in all the gaiety & voluptions nep of Poetry, in his Loves of the Maritan Two Brother growing of Colling gentle name Canto 1st Line 51 - 56. With rival love for fair Collines right and soothy with miles the jealoug pair by turns

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## Botanical History

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with the hand, or with the Histo Buch, ag was wineed in the recover of the consmanable Capitain woh, while in the Bland of Stahule, contimiste, in says experience here, wir the authority whom And most rele, is my Friend, to whom Jam much. noxibile for the information have obtained, with respect to its most interesting properties, as well as riscoven .. He telle me it was figt uses roa mioione, by Dock Josiah While, a sell tong at Therican " mount Holly, in new erger, in the year 1, 65= All the cases in which Good White uses the Callingones wan a word to ity Deaphoretic effect, a peroperty when Il postefue in a vine great degree, In Site millent fear, wien was very probalent in the might aucho of mount Moily, during the widence of Sed While in hat river, whenever he found nicepet you he we o Dia parelie meacene, he contingana was always uportex & not we hant answering his me it consciou capitalione, in hose otales a the Disease in which a determination to the thin was indicated - elle emplaced it in preference to am ather Diahhnetie; accordingle his jungerif his reldance never failed of being crowned with necely. And I know of no mortion weller calen

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il ces . Fresco The fla The most common theory which we are in the nabit of vecing, are those which accord participant was a company, and on demonstration and a continuous the theory when one with complete the control on lacal unwanter. It is in this species of the most that the Colling once is hartently permission that he for I should am further, not that the wastern than the control with the processor we further, not that the successor when the procedure we have the procedure when the procedure when the procedure

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following appearances, vis, purplish shots on the anterior had of the Leg, which gooner or later, ulcusted forgiderable inflam mation, particularly when olsughing took place, together with reat pain & wearing in the part ulcurated . I was prevented from the use of antiphlogistic treatment in consequence of gener red achility . The Bandage was regerted to, but without any good effect ye was now regolved to by the Collinsonia, having witnish much benefit from it in the preceding formy of Weng; Jandia the Legto be washed with a very strong Decation of the recent havy, three times a Day & to continue the Bandage at a most nate prepure, this practice was strictly personed in for the that space of two weeks; the rong began to heal hindly from which time he gradually recovered big now able to do a good Day's works - Some other care were breated in a similar manner with the Collingania, but cansidering them so marly like that I have alvea by described it appears unnecepay to repeat them here , I am not alone in no experiments on the Collinsonia in the cure of Allers, side ral of my medical Friends have been as receipfull as my oily, tall agree in saying they have never used any medicine, with the Exhibition of which they have better pleased, with than that of the Collinsonia ...

Sclose my operiorations on this medicine with one remark which is, that I I have not added one title to the list of every, are consolation is left me, that I have taken nothing from them.